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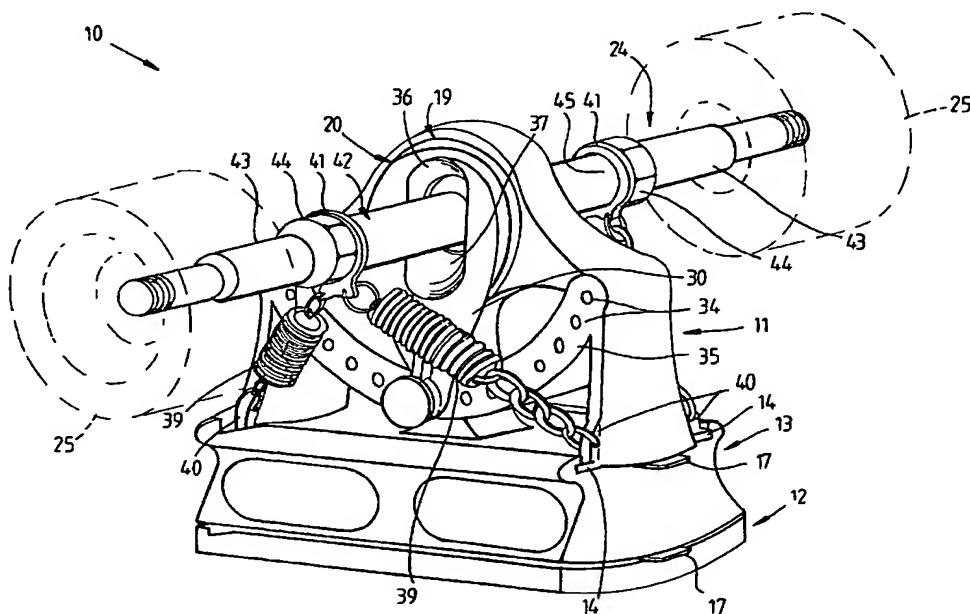
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- Published:
— with international search report

[Continued on next page]

(54) Title: TRUCK ASSEMBLIES FOR SKATEBOARDS



(57) Abstract: A skateboard truck assembly (10) having a main body (11) for mounting to the underside of a skateboard deck, an axle (24) carrying skateboard wheels (25) and mounted intermediate its opposite ends to the main body (11) via a rotatable steering adjustment body (20) for pivotal movement in a steering plane, the steering adjustment body (20) being mounted to the main body (11) for rotation about an axis extending transversely of the body (11) such that a change in the rotational position of the steering adjustment body (20) adjusts the pivot axis of the axle (24) and thus the steering characteristics of the truck assembly (10).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01092

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A63C 17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI:IPC A63C 17/- & keywords: (skateboard, truck, pivot, hinge, steer, guide, adjust, alter) and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 557872 A (HPT HARTNER PRAZISIONSTECHNIK GMBH ET AL) 1 September 1993 Whole document	1-28
A	US 5161810 A (DECESARE) 10 November 1992 Whole document	1-28
A	US 6224076 B1 (KENT) 1 May 2001 Whole document	1-28

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
27 October 2003

Date of mailing of the international search report

13 OCT 2003

Name and mailing address of the ISA/AU

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01092

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/60467 A (TAN) 23 August 2001 Whole document	1-28
A	US 2002011713 A (KIRKLANDE) 31 January 2002 Whole document	1-28
A	DE 10053501 A (SPORTS ON HANDELSAGENTUR GMBH) 8 May 2002 Whole document	1-28
A	US 20020089130 A (CASSEL) 11 July 2002 Whole document	1-28

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01092

Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-19, 25-28.
2. Claims 20-24

As reasoned on the extra sheet:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: II Observations where unity of invention is lacking

The different inventions are:

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a single inventive concept. The International Searching Authority has found that there are different inventions as follows:

1. Claims 1-19 and 25-28. It is considered that the means for mounting an axle to main body in such a manner as to allow pivotal movement of axle comprises a first "special technical feature".
2. Claims 20-24. It is considered that the mounting member having means for cooperation with main body for mounting the truck assembly comprises a second "special technical feature".

Since the above mentioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one inventive concept, **a priori**.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01092

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member	
EP	0557872	US	5263725	
US	5161810		NONE	
US	6224076		NONE	
WO	0160467	US	2003155733	
US	2002011713	US	6315304	US 6523837
DE	10053501		NONE	
US	20020089130		NONE	
END OF ANNEX				